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APS Research Results

FOR

INVENTOR(S):

DRYER, David C.; WILSON Leslie R.

CASE TITLE:

Selection of Graphical User Interface Agents by Cluster Analysis.

SERIAL NUMBER:

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706

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11 17 DEC 96

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18 SEP 98

Wilbert L. Starks, Jr. Art Unit 2762

10 SEP 1998 0900 HRS FILE 'USPAT' ENTERED AT 16:11:29 ON 10 SEP 1998

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89844 TASK? 269743 ASSIGN? 27100 TASK2 AND ASSIG

L1 27190 TASK? AND ASSIGN?

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413004 AGENT? L2 2325 L1 AND AGENT?

=> focus

PROCESSING COMPLETED FOR L2 L3 2325 FOCUS L2 1-

=> d 1-300

- 1. 5,603,031, Feb. 11. 1997, System and method for distributed computation based upon the movement, execution, and interaction of processes in a network; James E. White, et al., 395/683 [IMAGE AVAILABLE]
- 2. 5,467,391, Nov. 14, 1995, Integrated intelligent call blending; Norman J. Donaghue, Jr., et al., 379/265, 266 [IMAGE AVAILABLE]
- 3. 5,729,710, Mar. 17, 1998, Method and apparatus for management of mapped and unmapped regions of memory in a microkernel data processing system; James Michael Magee, et al., 711/203; 395/674; 711/170 [IMAGE AVAILABLE]
- 4. 5,638,494, Jun. 10, 1997, Adaptive communication system; Deborah L. Pinard, et al., 395/200.32; 706/10, 45, 48, 49 [IMAGE AVAILABLE]
- 5. 5,592,542, Jan. 7, 1997, Call distribution control method and call distribution control system; Yosuke Honda, et al., 379/265, 266, 309 [IMAGE AVAILABLE]
- 6. 5,508,731, Apr. 16, 1996, Generation of enlarged participatory broadcast audience; Henry V. Kohorn, 348/1, 12, 13; 455/2, 5.1 [IMAGE AVAILABLE]
- 7. 5.682.482, Oct. 28, 1997, Facilitating the supplying of services in a network; Donald V. Burt. et al., 705/42 [IMAGE AVAILABLE]

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- 8. 5,365,577, Nov. 15, 1994 Telecommunication display system; Richard A. Davis, et al., 379/93.17 8/17; 375/222; 379/93.09 [IMAGE AVAIL)
- 9. 5,309,505, May 3, 1994, Automated voice system for improving agent efficiency and improving service to parties on hold; Aleksander Szlam, et al., 379/88.01, 77, 162, 214, 265, 266 [IMAGE AVAILABLE]
- 10. 5,771,383, Jun. 23, 1998, Shared memory support method and apparatus for a microkernel data processing system; James Michael Magee, et al., 395/680, 670, 682 [IMAGE AVAILABLE]
- 11. 5.557.518, Sep. 17, 1996, Trusted agents for open electronic commerce; Sholom S. Rosen, 380/24; 235/375, 379, 380, 381; 380/4, 21, 23, 25; 705/17, 44; 902/1, 2, 7, 26 [IMAGE AVAILABLE]
- 12. 5,727,950, Mar. 17, 1998, **Agent** based instruction system and method; Donald A. Cook, deceased, et al., 434/350; 345/329, 336, 357, 978 [IMAGE AVAILABLE]
- 13. 5,592,543, Jan. 7, 1997, Method and system for allocating agent resources to a telephone call campaign; B. Scott Smith, et al., 379/265, 92.02, 309 [IMAGE AVAILABLE]
- 14. 5,465,286. Nov. 7, 1995, Apparatus for supervising an automatic call distribution telephone system; William K. Clare, et al., 379/34, 216, 265. 266, 309 [IMAGE AVAILABLE]
- 15. 5,327,490, Jul. 5, 1994, System and method for controlling call placement rate for telephone communication systems; Ellis K. Cave. 379/216, 92.03, 266, 309, 904 [IMAGE AVAILABLE]
- 16. 5.517.566, May 14. 1996, Method for allocating agent resources to multiple telephone call campaigns; B. Scott Smith, et al., 379/265, 266, 309, 356 [IMAGE AVAILABLE]
- 17. 5,530,861, Jun. 25, 1996, Process enaction and tool integration via a task oriented paradigm; John R. Diamant, et al., 705/8; 364/281.3, DIG.1; 705/9; 707/1 [IMAGE AVAILABLE]
- 18. 5,036,535, Jul. 30, 1991, Switchless automatic call distribution system; Jerry Gechter, et al., 379/210, 88.23, 142, 201, 221, 265 [IMAGE AVAILABLE]
- 19. 5,697,844, Dec. 16, 1997, System and method for playing games and rewarding successful players; Henry Von Kohorn, 463/40 [IMAGE AVAILABLE]
- 20. 5,615,334. Mar. 25, 1997. Memory reflection system and method for reducing bus utilization and device idle time in the event of faults: Shih-Chieh Wang, et al., 395/185.01; 711/145, 146 [IMAGE AVAILABLE]
- 21. 5.784.452, Jul. 21, 1998, Telephony call center with agent work groups; Michael S. Carney, 379/265, 268, 269 [IMAGE AVAILABLE]
- 22. 5,721,770, Feb. 24, 1998, Agent vectoring programmably conditionally assigning agents to various tasks including tasks other than handling of waiting calls; Joylee E. Kohler, 379/266, 210, 309 [IMAGE AVAILABLE]
- 23. 5,790,789, Aug. 4, 1998, Method and architecture for the creation,

- 24. 5.759,101, Jun. 2, 1998, Central and remote evaluation of responses of participatory broadcast audience with automatic crediting and couponing; Henry Von Kohorn, 463/40 [IMAGE AVAILABLE]
- 25. 5,511,112, Apr. 23, 1996, Automated voice system for improving agent efficiency and improving service to parties on hold; Aleksander Szlam, 379/88.25, 77, 88.21, 162, 214, 265, 266 [IMAGE AVAILABLE]
- 26. 5,168,515, Dec. 1, 1992, Switchless automatic call distribution system; Jerry Gechter, et al., 379/265, 201, 210, 211, 212, 309 [IMAGE AVAILABLE]
- 27.~5,271.058, Dec. 14,~1993, Switchless automatic call distribution system used with a combination of networks; G. Wayne Andrews, et al., 379/210,~211,~265 [IMAGE AVAILABLE]
- 28. 5,642,419, Jun. 24, 1997, Method for acquiring and revalidating an electronic credential; Sholom S. Rosen, 380/23, 24, 30 [IMAGE AVAILABLE]
- 29. 4,905,302, Feb. 27, 1990, Trunked radio repeater system; Jeffrey S. Childress, et al., 455/515; 340/825.5; 455/32.1, 38.1, 512 [IMAGE AVAILABLE]
- 30. 5,231,591, Jul. 27, 1993, **Agent** gas analyzer and method of use; Ross F. Flewelling, et al., 702/24; 600/532 [IMAGE AVAILABLE]
- 31. 4,939,746, Jul. 3, 1990, Trunked radio repeater system; Jeffrey S. Childress, 455/509, 512 [IMAGE AVAILABLE]
- 32. 5,202,987, Apr. 13, 1993, High flow-rate synchronizer/scheduler apparatus and method for multiprocessors; Nimrod Bayer, et al., 395/672; 364/228.3, 230.3, 271.3, 281.8, DIG.1; 395/553, 677 [IMAGE AVAILABLE]
- 33. 5,706,516, Jan. 6, 1998, System for communicating messages among agent processes: David Yu Chang, et al., 395/680, 200.32, 200.47; 707/1 [IMAGE AVAILABLE]
- 34. 5.544,232, Aug. 6, 1996, Call distributor with automatic preannouncement system and method; Daniel F. Baker, et al., 379/88.25, 210, 265, 309 [IMAGE AVAILABLE]
- 35. 5,499,364, Mar. 12, 1996, System and method for optimizing message flows between agents in distributed computations; Johannes Klein, et al., 395/200.32; 364/280.6, 281.3, DIG.1 [IMAGE AVAILABLE]
- 36. 5,046,018, Sep. 3, 1991, Agent gas analyzer and method of use; Ross F. Flewelling, et al., 702/24; 600/532 [IMAGE AVAILABLE]
- 37. 5,534,986, Jul. 9, 1996, Replaceable separating agent metering device for a fuser roller: Otmar Irro, et al., 399/325; 118/60 [IMAGE AVAILABLE]
- 38. 5,621,797, Apr. 15, 1997, Electronic ticket presentation and transfer method; Sholom S. Rosen, 380/24, 25, 30 [IMAGE AVAILABLE]
- 39. 5,274,700, Dec. 28, 1993, Methods of automatically rerouting an

- 40. 5,790,650, Aug. 4, 1998, Telephone call center management system which supports multi-user and separate private applications; Judith A. Dunn, et al., 379/265, 268, 269 [IMAGE AVAILABLE]
- 41. 5.706,406, Jan. 6, 1998, Architecture for an artificial agent that reasons defeasibly; John L. Pollock, 706/51, 46 [IMAGE AVAILABLE]
- 42. 4,829,425, May 9, 1989, Memory-based interagent communication mechanism; William L. Bain, Jr., et al., 711/202; 364/230, 230.3, 231.8, 238.3, 244, 244.6, 244.8, 247, 247.8, 254, 254.5, 263.1, 265, 266.3, 270.2, 270.3, 271, 271.3, 280, 281.3, 281.7, 281.8, 282, 284, 284.3, DIG.1 [IMAGE AVAILABLE]
- 43. 5,802,396, Sep. 1, 1998, Adaptive communication system; Thomas A. Gray, 395/840, 382, 391, 587, 595 [IMAGE AVAILABLE]
- 44. 5,299,260, Mar. 29, 1994, Telephone call handling system; Jack Shaio, 379/265, 210, 266 [IMAGE AVAILABLE]
- 45. 5,390,326, Feb. 14, 1995, Local area network with fault detection and recovery; Nitin J. Shah, 370/222, 451; 371/20.6; 395/185.08 [IMAGE AVAILABLE]
- 46. 5,703,949, Dec. 30, 1997, Method for establishing secure communications among processing devices; Sholom S. Rosen, 380/21, 23, 24, 25, 46, 49 [IMAGE AVAILABLE]
- 47. 5,574,903, Nov. 12, 1996, Method and apparatus for handling request regarding information stored in a file system; Steven J. Szymanski, et al., 707/1; 364/280.4, 282.4, DIG.1; 395/561; 707/9 [IMAGE AVAILABLE]
- 48. 5,206,903, Apr. 27, 1993, Automatic call distribution based on matching required skills with agents skills; Joylee E. Kohler, et al., 379/309, 201, 210, 214, 265, 266 [IMAGE AVAILABLE]
- 49. 4,961,158, Oct. 2, 1990, Portable transaction tracking device; Lester Sussman, 364/709.04, 710.04 [IMAGE AVAILABLE]
- 50. 5,734,922, Mar. 31, 1998, Multiprocessing system configured to detect and efficiently provide for migratory data access patterns; Erik E. Hagersten, et al., 395/800.37, 800.27 [IMAGE AVAILABLE]
- 51. 5,365,523, Nov. 15, 1994, Forming and maintaining access groups at the lan/wan interface; Jeffrey H. Derby, et al., 370/402 [IMAGE AVAILABLE]
- 52. 4,751,535, Jun. 14, 1988, Color-matched printing; Robin D. Myers, 347/115, 900; 358/520 [IMAGE AVAILABLE]
- 53. 5,652,789, Jul. 29, 1997, Network based knowledgeable assistant; Richard A. Miner, et al., 379/201, 88.22, 202 [IMAGE AVAILABLE]
- 54. 5,271,020, Dec. 14, 1993, Bus stretching protocol for handling invalid data; Suresh K. Marisetty, 371/30, 35, 42 [IMAGE AVAILABLE]
- 55. 5,721,908, Feb. 24, 1998, Computer network for WWW server data

- access over internet; Konrad Sharles Lagarde, et al., 707/10; 345/329 335; 395/200.32; 707/1, 2, MAGE AVAILABLE]
- 56. 5,046,082, Sep. 3, 1991, Remote accessing system for cellular telephones; Robert G. Zicker, et al., 455/419; 379/903; 455/410 [IMAGE AVAILABLE]
- 57. 5,745,886, Apr. 28, 1998, Trusted agents for open distribution of electronic money; Sholom S. Rosen, 705/39; 235/375; 705/41 [IMAGE AVAILABLE]
- 58. 5,046,022, Sep. 3, 1991, Tele-autonomous system and method employing time/position synchrony/desynchrony; Lynn A. Conway, et al., 395/85; 364/190; 395/99; 901/50 [IMAGE AVAILABLE]
- 59. 5,031,204, Jul. 9, 1991, Interactive diagnostic system for cellular telephones: Randolph W. McKernan, 455/560; 379/5, 88.23, 903, 908; 455/411, 412 [IMAGE AVAILABLE]
- 60. 5,594,791, Jan. 14, 1997, Method and apparatus for providing result-oriented customer service; Aleksander Szlam, et al., 379/265, 201, 216, 309, 355 [IMAGE AVAILABLE]
- 61. 5,550,988, Aug. 27, 1996, Apparatus and method for performing error correction in a multi-processor system; Nitin V. Sarangdhar, et al., 395/293, 288, 299 [IMAGE AVAILABLE]
- 62. 5,392,422, Feb. 21, 1995, Source synchronized metastable free bus; Jeffrey H. Hoel, et al., 395/293, 878, 881 [IMAGE AVAILABLE]
- 63. 4,884,266, Nov. 28, 1989, Variable speed local area network; Michael W. Pflaumer, 370/545; 375/377 [IMAGE AVAILABLE]
- 64. 5,398,012, Mar. 14, 1995, Distributed processing of route selection across networks and subnetworks; Jeffrey H. Derby, et al., 340/825.03, 826, 827; 370/238 [IMAGE AVAILABLE]
- 65. 4,325,120, Apr. 13, 1982, Data processing system; Stephen R. Colley, et al., 711/202; 364/228.1, 228.3, 228.5, 229, 229.3, 230, 230.3, 231.4, 231.6, 231.8, 232.1, 232.7, 232.8, 244, 244.3, 244.6, 246.6, 246.9, 255.1, 255.5, 256.3, 259, 259.2, 261.3, 261.4, 261.5, 261.9, 264, 264.1, 264.6, 267, 267.4, 267.7, 268, 269.2, 280, 280.6, 281.3, 281.4, 281.6, 281.8, 282.1, 283.4, 284, 284.1, DIG.1; 711/221 [IMAGE AVAILABLE]
- 66. 5,796,951, Aug. 18, 1998, System for displaying information relating to a computer network including association devices with tasks performable on those devices; John F. Hamner, et al., 395/200.53 [IMAGE AVAILABLE]
- 67. 5,602,536, Feb. 11. 1997, Data synchronization method for use with portable, microprocessor-based device; Walter G. Henderson, et al., 340/825.31; 379/102.06 [IMAGE AVAILABLE]
- 68. 5,490,097, Feb. 6, 1996, System and method for modeling, analyzing and executing work process plans; Keith D. Swenson, et al., 364/578, 222.1, 227.4, 468.01, 916.3, 916.4, DIG.1, DIG.2; 395/500 [IMAGE AVAILABLE]
- 69. 5.245.652. Sep. 14. 1993. Secure entry system with acoustically

- 70. 5,675,637, Oct. 7, 1997, Method for automatically obtaining and presenting data from multiple data sources; Aleksander Szlam, et al., 379/142, 93.23, 112, 122, 127, 201, 265 [IMAGE AVAILABLE]
- 71. 5,749,095, May 5, 1998, Multiprocessing system configured to perform efficient write operations; Erik E. Hagersten, 711/141; 395/200.75; 711/3, 203 [IMAGE AVAILABLE]
- 72. 5,768,506, Jun. 16, 1998, Method and apparatus for distributed workflow building blocks of process definition, initialization and execution; Jim Randell, 395/200.32, 200.56, 200.68 [IMAGE AVAILABLE]
- 73. 5,282,272. Jan. 25, 1994. Interrupt distribution scheme for a computer bus: Charles B. Guy, et al., 395/296; 364/228.1, 228.3, 228.8, 228.9, 229, 229.2, 230, 230.2, 231.8, 232.7, 240, 240.2, 240.8, 240.9, 241, 241.2, 241.3, 242.6, 242.7, 242.92, 243, 243.4, 243.41, 259, 259.2, 260, 261, 262, 271, 271.5, 271.7, 281.3, 281.7, DIG.1; 395/200.37 [IMAGE AVAILABLE]
- 74. 5,655,081, Aug. 5, 1997, System for monitoring and managing computer resources and applications across a distributed computing environment using an intelligent autonomous agent architecture; David N. Bonnell, et al., 395/200.32; 364/DIG.1, DIG.2; 395/200.53, 292 [IMAGE AVAILABLE]
- 75. 4,656,623, Apr. 7, 1987, Agent communication arrangements for telecommunication systems; John C. Dalby, Jr., et al., 370/270, 524, 904; 379/93.15, 93.17 [IMAGE AVAILABLE]
- 76. 5,608,720, Mar. 4, 1997, Control system and operations system interface for a network element in an access system; Charles H. Biegel, et al., 370/249, 465 [IMAGE AVAILABLE]
- 77. 5,671,280, Sep. 23, 1997, System and method for commercial payments using trusted agents; Sholom S. Rosen, 380/24 [IMAGE AVAILABLE]
- 78. 5,142,683, Aug. 25, 1992, Intercomputer communication control apparatus and method; Kenneth J. Burkhardt, Jr., et al., 395/200.45; 364/228.5, 228.8, 229.2, 239, 240, 240.1, 240.8, 241.1, 241.7, 242.94, 242.95, 244, 244.6, 247, 252, 259, 259.7, 271, 280, 280.2, DIG.1; 395/733 [IMAGE AVAILABLE]
- 79. 5,761,663, Jun. 2, 1998, Method for distributed task fulfillment of web browser requests; Konrad Charles Lagarde, et al., 707/10; 395/200.32, 200.33; 707/3 [IMAGE AVAILABLE]
- 80. 5,185,780, Feb. 9, 1993, Method for predicting agent requirements in a force management system; Ernest W. Leggett, 379/34, 92.04, 113, 134, 139, 140, 265, 266, 309 [IMAGE AVAILABLE]
- 81. 5,469,562, Nov. 21. 1995, Durable atomic storage update manager: Christian D. Saether, 395/182.18; 364/282.4, 285, DIG.1; 711/100 [IMAGE AVAILABLE]
- 82. 5,481,699, Jan. 2, 1996, Durable atomic storage update manager; Christian D. Saether, 395/182.13; 364/240.8, 265.6, 271.3, 282.4, 285, 285.3, DIG.1; 395/182.18, 183.14, 671 [IMAGE AVAILABLE]

- 83. 5.073.890, Dec. 17, 19 Remote agent operation for automatic call distributors; Peter J. Danielsen, 370/270, 384, 524; 379/265, 309 [IMAGE AVAILABLE]
 - 84. 5,406,956, Apr. 18, 1995, Method and apparatus for truth detection; Lawrence A. Farwell, 600/544 [IMAGE AVAILABLE]
 - 85. 5,323,384, Jun. 21, 1994, Method for establishing communication between tasks of a limited number of repeaters in a communication system; Steven E. Norwood, et al., 370/254, 315; 395/182.02; 455/14 [IMAGE AVAILABLE]
 - 86. 5,175,866, Dec. 29, 1992, Fail-soft architecture for public trunking system; Jeffrey S. Childress, et al., 455/8; 370/216, 341, 346; 379/9, 269, 279; 455/9, 16, 426, 507 [IMAGE AVAILABLE]
 - 87. 5,752,246, May 12, 1998, Service **agent** for fulfilling requests of a web browser; Richard Michael Rogers, et al., 707/10; 345/328, 331, 335, 356, 502; 395/200.69, 500; 707/1, 4, 101, 104, 201 [IMAGE AVAILABLE]
 - 88. 5,311,438, May 10, 1994, Integrated manufacturing system; R. Drew Sellers, et al., 364/468.02; 705/8 [IMAGE AVAILABLE]
 - 89. 5,681,873, Oct. 28, 1997, Biodegradable polymeric composition; Richard L. Norton, et al., 523/115; 424/426, 486; 523/105, 113, 114; 528/354 [IMAGE AVAILABLE]
 - 90. 5,469,369, Nov. 21, 1995, Smart sensor system and method using a surface acoustic wave vapor sensor array and pattern recognition for selective trace organic vapor detection; Susan L. Rose-Pehrsson, et al., 702/27: 73/23.2; 340/632 [IMAGE AVAILABLE]
 - 91. 5,664,126, Sep. 2, 1997, Human interface system for communicating networked users; Hideki Hirakawa, et al., 345/329, 331, 349; 395/200.33, 200.48, 200.59; 707/10 [IMAGE AVAILABLE]
 - 92. 5,606,493, Feb. 25, 1997, Distributed applications processing network; Reinhard Duscher, et al., 364/134; 395/200.32, 684 [IMAGE AVAILABLE]
 - 93. 5,289,368, Feb. 22, 1994, Force management system user interface; Beauford B. Jordan, et al., 705/8; 379/113; 705/10 [IMAGE AVAILABLE]
 - 94. 5,265,223, Nov. 23, 1993, Preservation of priority in computer bus arbitration; Russell C. Brockmann, et al., 395/303; 364/228.1, 230, 230.4, 236.2, 236.4, 238, 240, 240.1, 240.8, 242.4, 242.6, 242.7, 242.8, 242.92, 242.94, 242.96, 247, 248.1, 248.2, 259, 259.1, 259.9, 261, 268.3, DIG.1 [IMAGE AVAILABLE]
 - 95. 5,325,292, Jun. 28, 1994, Tour/schedule generation for a force management system; Gary B. Crockett, 705/9, 10 [IMAGE AVAILABLE]
 - 96. 5.745,687. Apr. 28. 1998, System for distributed workflow in which a routing node selects next node to be performed within a workflow procedure: Jim Randell. 395/200.31; 364/468.03; 395/672, 676; 705/8, 9 [IMAGE AVAILABLE]
 - 97. 5,764,890. Jun. 9, 1998, Method and system for adding a secure

- network server to an existing computer network; Daniel S. Glasser, et al., 395/188.01; 380/25 [IM AVAILABLE]
- 98. 4,661,902, Apr. 28, 1987, Local area network with carrier sense collision avoidance; Ronald R. Hochsprung, et al., 340/825.5; 364/240, 240.8, 240.9, 242.94, 242.95, 284, 284.4, DIG.1; 370/445 [IMAGE AVAILABLE]
- 99. 5,581,684, Dec. 3, 1996, Application-external help system for a windowing user interface; Dominic E. Dudzik, et al., 345/338, 326, 340 [IMAGE AVAILABLE]
- 100.~5.341.412, Aug. 23.~1994, Apparatus and a method for predictive call dialing; Danny Ramot. et al., 379/92.03, 93.23, 216, 265, 904 [IMAGE AVAILABLE]
- 101. 5,317,688, May 31, 1994, Software agent used to provide instruction to a user for a plurality of computer applications; Ralph T. Watson, et al., 345/337, 338, 356 [IMAGE AVAILABLE]
- 102. 5,125,102, Jun. 23, 1992, Trunked radio repeater system including synchronization of a control channel and working channels; Jeffrey S. Childress, et al., 455/9; 370/329, 341, 350; 455/520 [IMAGE AVAILABLE]
- 103. 5,793,964. Aug. 11, 1998, Web browser system; Richard Michael Rogers, et al., 395/200.32, 200.79 [IMAGE AVAILABLE]
- 104. 5,170,706, Dec. 15, 1992, Sheet fed rotary printing press; Anton Rodi, et al., 101/148, 350.2, 483 [IMAGE AVAILABLE]
- 105. 5,799,304, Aug. 25, 1998, Information evaluation; John David Miller, 707/7, 3, 201, 500 [IMAGE AVAILABLE]
- 106. 5,781,731, Jul. 14, 1998, Schedule management support system; Hiroyuki Koreeda, et al., 395/200.34 [IMAGE AVAILABLE]
- 107. 5,745,754, Apr. 28, 1998, Sub-agent for fulfilling requests of a web browser using an intelligent agent and providing a report; Konrad Charles Lagarde, et al., 707/104, 102 [IMAGE AVAILABLE]
- 108. 5,650,994. Jul. 22, 1997, Operation support system for service creation and network provisioning for video dial tone networks; Kathleen Daley, 370/259, 401; 395/200.5 [IMAGE AVAILABLE]
- 109. 5.588,059, Dec. 24. 1996, Computer system and method for secure remote communication sessions; Ronald V. Chandos, et al., 380/21, 25, 45, 49 [IMAGE AVAILABLE]
- 110. 5,283,734, Feb. 1. 1994, System and method of communication with authenticated wagering participation; Henry Von Kohorn. 463/17, 25, 40. 41. 42: 902/23 [IMAGE AVAILABLE]
- 111. 5.764,756, Jun. 9, 1998. Networked telephony central offices; Arthur E. Onweller, 379/242; 370/352. 401, 405, 410; 379/1, 12, 15 [IMAGE AVAILABLE]
- 112. 5.255.181. Oct. 19, 1993, Method of planning organizational activities: William Chapman. et al., 705/8; 364/468.05; 705/9 [IMAGE AVAILABLE]

- 113. 5,483,670. Jan. 9. 19 Trunked radio repeater system with conchannel monitoring feature; Jeffrey S. Childress, et al., 455/515, 166.2, 510, 518 [IMAGE AVAILABLE]
- 114. 5,479,487, Dec. 26, 1995, Calling center employing unified control system; Daniel D. Hammond, 379/88.22, 88.2, 93.24, 112, 210, 212, 265 [IMAGE AVAILABLE]
- 115. 5,247,569. Sep. 21, 1993, System and method for controlling outbound and inbound calls in a telephone communication system; Ellis K. Cave. 379/113, 140, 266, 309 [IMAGE AVAILABLE]
- 116. 5,710,918, Jan. 20, 1998, Method for distributed task fulfillment of web browser requests; Konrad Charles Lagarde, et al., 707/10; 345/348, 352; 395/200.32, 200.48, 680, 683; 707/500, 502 [IMAGE AVAILABLE]
- 117. 5,701,451, Dec. 23, 1997, Method for fulfilling requests of a web browser; Richard Michael Rogers, et al., 707/1; 395/200.3, 200.32, 200.48, 200.59, 682; 707/513 [IMAGE AVAILABLE]
- 118. 5,574,788, Nov. 12, 1996, Trunked radio repeater system; Jeffrey S. Childress, et al., 380/9; 455/17 [IMAGE AVAILABLE]
- 119. 4,689,786, Aug. 25, 1987, Local area network with self assigned address method; Gursharan S. Sidhu, et al., 370/255; 340/825.07, 825.52; 370/431, 520 [IMAGE AVAILABLE]
- 120. 5,644,619, Jul. 1, 1997, Analysis and validation system for provisioning a public switched telephone network; Robert D. Farris, et al., 379/27, 16, 201, 265, 309 [IMAGE AVAILABLE]
- 121. 5,596,750, Jan. 21, 1997, System for transactional processing between an information processing server and a plurality of workstations; Jianzhong Li, et al., 395/671; 707/104 [IMAGE AVAILABLE]
- 122. 5,799,016, Aug. 25, 1998, Network addressing scheme encoding communication channel information; Arthur E. Onweller, 370/401, 409 [IMAGE AVAILABLE]
- 123. 5,696,701, Dec. 9, 1997, Method and system for monitoring the performance of computers in computer networks using modular extensions; Gregory M. Burgess, et al., 395/183.01, 183.02, 184.01, 200.54; 702/186 [IMAGE AVAILABLE]
- 124. 5,274,838, Dec. 28, 1993, Fail-soft architecture for public trunking system; Jeffrey S. Childress, et al., 455/9, 17, 507 [IMAGE AVAILABLE]
- 125. 5,764,892, Jun. 9, 1998, Security apparatus and method; Fraser Cain, et al., 395/200.3; 340/571, 572, 825.34, 825.36; 379/106.01; 455/31.2 [IMAGE AVAILABLE]
- 126. 5,517.622. May 14, 1996. Method and apparatus for pacing communications in a distributed heterogeneous network; Mario J. Ivanoff, et al., 395/200.62; 364/232.22, 242.96, DIG.1; 370/256, 408; 395/200.54, 849 [IMAGE AVAILABLE]

- 127. 5,473,608, Dec. 5, 1995 Method and apparatus for managing and facilitating communications a distributed heterogeneous network; N, Gagne, et al., 370/401 [IMAGE AVAILABLE]
- 128. 5,317,568, May 31, 1994, Method and apparatus for managing and facilitating communications in a distributed hetergeneous network; Joy P. Bixby, et al., 370/401 [IMAGE AVAILABLE]
- 129. 5,713,795, Feb. 3, 1998, System and method of communication with authenticated wagering participation; Henry Von Kohorn, 463/17 [IMAGE AVAILABLE]
- 130. 5,274,837, Dec. 28. 1993, Trunked radio repeater system with multigroup calling feature; Jeffrey S. Childress, et al., 455/7; 370/344, 448; 455/510, 518 [IMAGE AVAILABLE]
- 131. 5,692,106. Nov. 25, 1997. System management method and apparatus; Simon J. Towers, et al., 706/45, 59 [IMAGE AVAILABLE]
- 132. 5,675,636, Oct. 7, 1997, Adaptive method for allocating calls; Thomas A. Gray, 379/114, 112, 115 [IMAGE AVAILABLE]
- 133. 5,261,109, Nov. 9, 1993, Distributed arbitration method and apparatus for a computer bus using arbitration groups; Sudarshan B. Cadambi, et al., 395/291; 364/229, 229.2, 230, 230.1, 230.3, 240, 240.1, 242.6, 242.7, 242.8, 242.91, 242.92, 242.93, 280, 281.3, DIG.1 [IMAGE AVAILABLE]
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- 135. 5,046,084, Sep. 3, 1991, Electronic real estate lockbox system with improved reporting capability; Iral D. Barrett, et al., 379/102.06; 70/63; 235/382.5; 340/825.31 [IMAGE AVAILABLE]
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- 137. 5,261,041, Nov. 9, 1993, Computer controlled animation system based on definitional animated objects and methods of manipulating same; Galyn Susman, 345/473, 419, 422, 430, 435 [IMAGE AVAILABLE]
- 138. 5,740,376, Apr. 14, 1998, Signaling protocol for a peripheral component interconnect; Dave Carson, et al., 395/281, 285, 299, 306, 730, 822 [IMAGE AVAILABLE]
- 139. 4.766.746, Aug. 30, 1988, Electronic real estate lockbox system; Walter G. Henderson, et al., 70/63, 271; 340/825.31; 379/102.06 [IMAGE AVAILABLE]
- 140. 5,467,295, Nov. 14, 1995. Bus arbitration with master unit controlling bus and locking a slave unit that can relinquish bus for other masters while maintaining lock on slave unit; Bruce Young, et al., 395/200.4; 364/242.6, 242.92, 242.94, DIG.1; 395/200.38, 200.55, 200.56, 200.65 [IMAGE AVAILABLE]
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- 143. 5.191.649, Mar. 2. 1993, Multiprocessor computer system with data bus and ordered and out-of-order split data transactions; Sudarshan B. Cadambi, et al., 395/200.55; 364/228, 228.1, 228.3, 229, 232.7, 236.2, 238.4, 239.9, 240. 240.2, 240.5, 240.8, 240.9, 241.2, 242.6, 242.7, 242.92, 243, 243.4, 243.41, 244, 244.3, 248.1, 259, 259.2, 260, 260.1, 262, 262.3, 262.4, 262.9, 271.5, 280, 280.8, 281.3, 281.7, DIG.1; 395/182.13, 280, 306; 711/158 [IMAGE AVAILABLE]
- 144. 5,790,664, Aug. 4, 1998, Automated system for management of licensed software; Christopher D. Coley, et al., 380/4 [IMAGE AVAILABLE]
- 145. 5,410,710, Apr. 25, 1995, Multiprocessor programmable interrupt controller system adapted to functional redundancy checking processor systems; Nitin V. Sarangdhar, et al., 395/739; 364/230.2, 240, 240.2, 241.2, 280.8, DIG.1; 395/737 [IMAGE AVAILABLE]
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- 148. 5,729,688, Mar. 17, 1998, Network element managing system; Moowan Kim, et al., 395/200.56 [IMAGE AVAILABLE]
- 149. 5,757,669, May 26, 1998, Method and apparatus for workgroup information replication; David Christie, et al., 395/200.35, 200.67 [IMAGE AVAILABLE]
- 150. 4,853,849, Aug. 1, 1989, Multi-tasking register set mapping system which changes a register set pointer block bit during access instruction; William L. Bain, Jr., et al., 711/202; 364/232.8, 239. 239.7, 240, 241.9, 244.6, 246.3, 247, 247.3, 247.6, 247.7, 251.5, 252.3, 252.6, 255.2, 256.3, 256.5, 259.9, 260, 260.2, 262.4, 262.5, 262.6, 280.9, 281.3, 281.7, DIG.1 [IMAGE AVAILABLE]
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- 152. 5,377,191. Dec. 27, 1994. Network communication system; John M. Farrell, et al., 370/401 [IMAGE AVAILABLE]
- 153. 5,794,001, Aug. 11, 1998, Object-oriented computer user interface; Thomas W. Malone, et al., 345/342
- 154. 5,564,070, Oct. 8, 1996. Method and system for maintaining

- 155. 5,793,861, Aug. 11, 1998, Transaction processing system and method; Steven Paul Haigh, 379/266, 265, 309 [IMAGE AVAILABLE]
- 156. 5,740,075, Apr. 14, 1998, Access subnetwork controller for video dial tone networks; John A. Bigham, et al., 395/200.59; 340/825; 348/7, 10, 13; 395/200.56; 455/3.1 [IMAGE AVAILABLE]
- 157. 5,495,615, Feb. 27, 1996, Multiprocessor interrupt controller with remote reading of interrupt control registers; P. K. Nizar, et al., 395/733; 364/DIG.1; 395/303, 737, 739 [IMAGE AVAILABLE]
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- 160. 4,727,368, Feb. 23. 1988, Electronic real estate lockbox system; Wayne F. Larson, et al., 340/825.31; 70/63; 235/382; 379/93.02, 102.06 [IMAGE AVAILABLE]
- 161. 5,790,633, Aug. 4, 1998, System for proactively maintaining telephone network facilities in a public switched telephone network; James C. Kinser, Jr., et al., 379/10, 14, 15, 26, 29, 34 [IMAGE AVAILABLE]
- 162. 5.589,164, Dec. 31, 1996, Stabilization of biowastes; James P. Cox, et al., 424/76.5; 252/175, 180, 181; 424/76.6, 76.8, 682, 688; 514/690, 693, 699 [IMAGE AVAILABLE]
- 163. 5.737,499, Apr. 7, 1998, System for performing a plurality of independent tissue analysis; Steven A. Bernstein, et al., 395/82; 422/58, 99; 436/43, 50 [IMAGE AVAILABLE]
- 164. 5,696,887, Dec. 9, 1997, Automated tissue assay using standardized chemicals and packages; Steven A. Bernstein, et al., 395/82 [IMAGE AVAILABLE]
- 165. 4,947,163, Aug. 7, 1990, Electronic security system with configurable key; Walter G. Henderson, et al., 340/825.31; 70/63 [IMAGE AVAILABLE]
- 166. 4,929,880, May 29, 1990, Electronic lock system with battery conservation features; Walter G. Henderson, et al., 70/63; 320/DIG.21 [IMAGE AVAILABLE]
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- 168. 5,528,678, Jun. 18, 1996, Revertive calling automatic call distributor: Marc P. Kaplan, 379/201, 112, 207, 220, 230, 265 [IMAGE AVAILABLE]

- 169. 4.916,443, Apr. 10, 199 Method and apparatus for compiling darrelating to operation of an ectronic lock system; Philip D. Barreta al., 340/825.31; 70/63, 271 [IMAGE AVAILABLE]
- 170. 4,896,246, Jan. 23, 1990, Electronic lock with energy conservation features: Walter G. Henderson, et al., 361/171, 189 [IMAGE AVAILABLE]
- 171. 5,565,145, Oct. 15, 1996, Compositions comprising ethoxylated/propoxylated polyalkyleneamine polymers as soil dispersing agents; Randall A. Watson, et al., 510/350, 299, 320, 499, 535 [IMAGE AVAILABLE]
- 172. 4,942,602, Jul. 17, 1990, Coordinated transfer of voice and information through a network of digital switches; William T. Baker, Jr., et al., 379/212; 370/270; 379/93.23, 203, 225, 908 [IMAGE AVAILABLE]
- 173. 4,914,732, Apr. 3, 1990, Electronic key with interactive graphic user interface; Walter G. Henderson, et al., 340/825.17; 70/63, 271, 277; 340/825.31; 361/172 [IMAGE AVAILABLE]
- 174. 5,515,492, May 7, 1996, User interface between a server and workstations of a transactional processing system; Jianzhong Li, et al., 345/329, 339 [IMAGE AVAILABLE]
- 175. 5.681.402, Oct. 28, 1997, Photovoltaic element; Hirofumi Ichinose, et al., 136/256; 257/459, 753 [IMAGE AVAILABLE]
- 176. 5,535,256, Jul. 9, 1996, Method and system for automatically monitoring the performance quality of call center service representatives; Michael J. Maloney, et al., 379/34, 85, 88.08, 88.09, 88.25, 112, 265 [IMAGE AVAILABLE]
- 177. 5,696.811, Dec. 9, 1997, Method and system for automatically monitoring the performance quality of call center service representatives; Michael J. Maloney, et al., 379/34, 85, 88.09, 112, 133, 265 [IMAGE AVAILABLE]
- 178. 5,491,796, Feb. 13, 1996, Apparatus for remotely managing diverse information network resources; James Wanderer, et al., 395/200.54; 364/230, 270, 281.6, DIG.1; 395/200.5, 672 [IMAGE AVAILABLE]
- 179. 5,790,116, Aug. 4, 1998, Object-oriented computer user interface; Thomas W. Malone, et al., 345/335 [IMAGE AVAILABLE]
- 180. 5.677.905, Oct. 14, 1997, Access subnetwork controller for video dial tone networks; John A. Bigham, et al., 340/825.06; 455/4.2 [IMAGE AVAILABLE]
- 181. 4,949,373, Aug. 14, 1990, Host load balancing; William T. Baker, Jr., et al., 379/93.23, 202, 212, 216, 266 [IMAGE AVAILABLE]
- 182. 5,598,539, Jan. 28. 1997, Apparatus and method for achieving hot docking capabilities for a dockable computer system; Douglas D. Gephardt, et al., 395/281; 364/DIG.1; 395/283 [IMAGE AVAILABLE]
- 183. 5,680,548, Oct. 21, 1997, Systems and methods for work assignment and distribution from a server to remote/mobile nodes; Rodney M. Trugman, 395/200.56; 379/185; 395/200.33 [IMAGE AVAILABLE]

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- 185. 5.587,157, Dec. 24, 1996, Stabilization of biowastes; James P. Cox. et al., 424/76.5; 252/175, 180, 181; 424/76.6, 76.8, 616, 618, 630, 632, 637, 639, 641, 688, 690; 514/693, 699, 703, 705 [IMAGE AVAILABLE]
- 186. 5,568,552, Oct. 22, 1996, Method for providing a roving software license from one node to another node; Derek L. Davis, 380/4, 23, 30 [IMAGE AVAILABLE]
- 187. 5.517,668, May 14, 1996, Distributed protocol framework; Helge Szwerinski, et al., 395/200.6; 364/238.3, 240.8, DIG.1; 395/200.31, 831 [IMAGE AVAILABLE]
- 188. 5.581,602, Dec. 3, 1996, Non-offensive termination of a call detection of an answering machine; Aleksander Szlam, et al., 379/88.05, 88.16, 88.22, 196, 265 [IMAGE AVAILABLE]
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- 191. 5,784,612, Jul. 21, 1998, Configuration and unconfiguration of distributed computing environment components; Christina Heidi Crane, et al., 395/653 [IMAGE AVAILABLE]
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- 195. 5,491,742, Feb. 13, 1996, Method and apparatus for provisioning a public switched telephone network; Myron E. Harper, et al., 379/201, 265 [IMAGE AVAILABLE]
- 196. 5,295,065. Mar. 15, 1994. Resource-lot association coordinator; William Chapman, et al., 364/468.05, 478.07; 705/8 [IMAGE AVAILABLE]
- 197. 5,706,508. Jan. 6, 1998. System and method for monitoring SNMP tables; David De-Hui Chen, et al., 707/200. 1, 103, 203 [IMAGE AVAILABLE]
- 198. 5,682,512, Oct. 28, 1997, Use of deferred bus access for address translation in a shared memory clustered computer system; R. Scott Tetrick, 711/202; 345/974; 395/308 [IMAGE AVAILABLE]
- 199. 5,060,140, Oct. 22, 1991, Universal programmable data communication connection system; Alexander S. Brown, et al., 395/285; 364/232.7, 238.1,

- 200. 4,656,624. Apr. 7. 1987, Operator communication arrangements for operator assistance systems; Johnny Collins, et al., 370/270, 524, 904; 379/93.15. 265 [IMAGE AVAILABLE]
- 201. 5,583,864, Dec. 10, 1996, Level 1 gateway for video dial tone networks; Regina Lightfoot, et al., 370/396; 348/3, 7; 370/404; 379/201 [IMAGE AVAILABLE]
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- 203. 5,291,394, Mar. 1, 1994, Manufacturing control and capacity planning system; William Chapman, 705/8; 364/468.05, 468.06 [IMAGE AVAILABLE]
- 204. 5,471,617, Nov. 28, 1995, Computer management system and associated management information base; Scott C. Farrand, et al., 395/670, 200.53, 683 [IMAGE AVAILABLE]
- 205. 5,548,375, Aug. 20, 1996, Integrated printing system for automated and maintenance free operation; Teruaki Mitsuya, et al., 399/9, 38 [IMAGE AVAILABLE]
- 206. 5,715,468, Feb. 3, 1998, Memory system for storing and retrieving experience and knowledge with natural language; Robert Lucius Budzinski, 704/9; 707/500 [IMAGE AVAILABLE]
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- 210. 5,559,878, Sep. 24, 1996, Telephonic communications answering and callback processing system; Lyle O. Keys, et al., 379/265, 88.2, 209, 266, 309 [IMAGE AVAILABLE]
- 211. 5,408,658, Apr. 18, 1995, Self-scheduling parallel computer system and method; Rudolph N. Rechtschaffen, et al., 395/392; 364/228.1, 230, 230.3, 281.3, 281.7, DIG.1; 395/391, 800.21 [IMAGE AVAILABLE]
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- 217. 4,943,996, Jul. 24, 1990, Shared access to voice and information: William T. Baker, Jr., et al., 379/93.23, 201, 205, 210, 266 [IMAGE AVAILABLE]
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- 225. 5,770,085, Jun. 23, 1998, Extraction of metals and/or metalloids from acidic media using supercritical fluids and salts; Chien M. Wai, et al., 210/638, 639, 912; 423/21.5 [IMAGE AVAILABLE]
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management; Pamela Abbruzzese, et al., 705/9, 11 [IMAGE AVAILABLE]

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- 244. 5,637,288, Jun. 10, 1997, Chimeric antibody for detection and therapy of infectious and inflammatory lesions; David M. Goldenberg, et al., 424/1.49, 1.11, 9.3, 153.1, 178.1, 182.1 [IMAGE AVAILABLE]
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- 246. 5,691,298, Nov. 25, 1997, Ester oligomers suitable as soil release agents in detergent compositions; Eugene Paul Gosselink, et al., 510/475; 528/295; 560/14 [IMAGE AVAILABLE]
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- 251. 5,235,642, Aug. 10, 1993, Access control subsystem and method for distributed computer system using locally cached authentication credentials; Edward Wobber, et al., 380/25, 4 [IMAGE AVAILABLE]
- 252. 5,088,981, Feb. 18. 1992, Safety enhanced device and method for effecting application of a therapeutic agent; David C. Howson, et al., 604/31; 128/DIG.13; 604/67 [IMAGE AVAILABLE]

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